PATENT COOPERATION TREATY

REC'D	10	MUL	2005
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or ago	ent's file reference	FOR FURTHER ACTIO	ON	See Form PCT/IPRA/416			
5166-PCT				Diving data (daylar anthonas)			
International appl	•	International filing date (day	umonth/year)	Priority date (day/month/year)			
PCT/US04/24073 27 July 2004 (27.07.2004) International Patent Classification (IPC) or national classification and II			PC	31 July 2003 (31.07.2003)			
	· ·						
	28, 31/41, 31/44 and	US CL: 514/4, 340, 342, 369, 3°	76				
Applicant		non ATTON					
	ACBUTICALS COR			1 1 1 1 Takamatianal Desliminant			
Exan	ining Authority und	ler Article 35 and transmitte	d to the applicant ac				
		f a total of sheets, include		L			
3. This	report is also accom	panied by ANNEXES, comp	prising:				
а. [cant and to the International					
	sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
	sheets which	h supersede earlier sheets, l	out which this Auth	ority considers contain an amendment ation as filed, as indicated in item 4 of			
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))							
4. This	report contains indi	cations relating to the follow	ving items:				
\boxtimes	Box No. I	Basis of the report					
	Box No. II	Priority					
\boxtimes	Box No. III	No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	Box No. IV	Lack of unity of invention					
\boxtimes	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement					
	Box No. VI	Certain documents cited					
\boxtimes	Box No. VII	Certain defects in the inten					
	Box No. VIII	Certain observations on the					
Date of submission of the demand		Date of completio	n of this report				
18 February 200	5 (18,02,2005)		28 May 2005 (28.05	5,2095)			
Name and maili	ng address of the IPE	A/US	Anti-	of DM KANIN.			
Mail Stop PCT, Attn: IPBA/US Commissioner for Patents			Raymond . Henley	JEBell-Harrefor			
P O. Roy 1450				7			
Alexan Facsimile No. (*	dria, Virginia 22313-14: 703) 305-3230	OU	Telephone No. &	271)272-1600			
Form PCT/IPEA/	409 (cover sheet)(Jan	pary 2004)					

nterna	tional	appl	ioati	on.	No.

PCT/US04/24073

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

		Basis of the report
1. With	es of	ard to the language, this report is based on the international application in the language in which it was filed, herwise indicated under this item.
	Thi wh	s report is based on translations from the original language into the following language, ich is the language of a translation furnished for the purposes of:
		international search (under Rules 12.3 and 23.1(b))
	Г	publication of the international application (under Rule 12.4)
	Ē	international preliminary examination (under Rules 55.2 and/or 55.3)
to the	s rec	rd to the elements of the international application, this report is based on (replacement sheets which have been furnished civing Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not to this report):
\boxtimes	the	international application as originally filed/furnished
\boxtimes	the	description:
	pa	ges 1-23 as originally filed/furnished
		ges* NONE received by this Authority on
	pa	ges* NONE received by this Authority on
\boxtimes	the	e claims:
	pa	ges 24-26 as originally filed/furnished
		ges* NONE as amended (together with any statement) under Article 19
		ges* NONE received by this Authority on
	pa	ges* NONE received by this Authority on
	th	e drawings:
		ges NONE as originally filed/furnished
		ges* NONE received by this Authority on
	-	ges* NONE received by this Authority on
	a	sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3. 🔲	T	ne amendments have resulted in the cancellation of:
		the description, pages
		the claims, Nos.
	Ī	the drawings, sheets/figs
	Ī	the sequence listing (specify):
	Ė	any table(s) related to the sequence listing (specify):
	L	
4. 🔲	T si	his report has been established as if (some of) the amendments annexed to this report and listed below had not been made noe they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
	Г	the description, pages
	Ī	the claims, Nos.
	ř	the drawings, sheets/figs
1	_ L	the sequence listing (specify):
	L	any table(s) related to the sequence listing (specify):
	L	any table(s) related to the sequence usual (specify).
* If ite	m 4	applies, some or all of those sheets may be marked "superseded."

Form PCT/IPEA/409 (Box No. I) (January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	•	 	_	
PCT/US04/24073		_	_	

Box No.			ventive step and industrial applicability
The que	stions whether the claimed invention ally applicable have not been examin	appears to be novel, to involved in respect of:	e an inventive step (to be non obvious), or to be
	the entire international application		
\boxtimes	claims Nos. Claim 19 has not been ex	amined because a claim numbere	d as 19 was not present in
	because:		
	the said international application, on not require an international prelimi		elate to the following subject matter which does
Claim 1	the description, claims or drawing no meaningful opinion could be fo 9 has not been examined because a clain	ormed (specify):	s <i>below)</i> or said claims Nos. <u>19</u> are so unclear that in the application as filed.
	the claims, or said claims Nos. opinion could be formed.	are so inadequately so	apported by the description that no meaningful
	no international search report has	s been established for said clai	ms Nos
	the nucleotide and/or amino acid the Administrative Instructions in	i that:	ply with the standard provided for in Annex C of
	the written form	has not been furnishe does not comply with	
	the computer readable form	has not been furnished does not comply with	d the standard
	the tables related to the nucleotid comply with the technical require	le and/or amino acid sequence ements provided for in Annex	listing, if in computer readable form only, do not C-bis of the Administrative Instructions.
	See Supplemental Box for further		
		0.4)	

Form PCT/IPEA/409 (Box No. III) (January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. .. _ PCT/US04/24073

Box No. V Reasoned statement under Arti applicability; citations and expl	icle 35(2) with a lanations supp	regard to novelty, inventive step orting such statement	or industrial		
1. Statement					
Novelty (N)	Claims 1	-18 and 20-25	YES		
Novelly (11)	Claims N		NO		
Inventive Step (IS)	Claims 1	-18 and 20-25	YBS		
	Claims 1	10NB	NO		
Todayahal Applicability (TA)	Claims 1	-18 and 20-25	YES		
Industrial Applicability (IA)	Claims 1		NO		
2. Citations and Explanations (Rule 70.7) Claims 1-18 and 20-25 meet the orderia under PCT Article 33(2) for novelty because the prior art fails to teach the presently claimed (a) methods for treating or preventing (I) diabetes or diabetes-associated diseases/conditions, (ii) dementia or (iii) a cardiovascular disorder which include the step of administering an effective amount of, there alla, an inhibitor of phosphodiesterase type-10A (PDB10A) to a mammal; (b) method for identifying compounds that would be useful for said methods; and (c) pharmaceutical composition comprising an effective amount of, there alla, an inhibitor of PDB10A. Claims 1-18 and 20-25 meet the criteria under PCT Article 33(3) for inventive step because the prior art fails to teach or suggest the presently claimed (a) methods for treating or preventing (I) diabetes or diabetes-associated diseases/conditions, (ii) dementia or (iii) a cardiovascular disorder which include the step of administring an effective amount of, there alla, an inhibitor of phosphodiesterase type-10A (PDB10A) to a mammal; (b) method for identifying compounds that would be useful for said methods; and (c) pharmaceutical composition comprising an effective amount of, there alla, an inhibitor of PDB10A. Claims 1-18 and 20-25 meet the criteria under PCT Article 33(4) because the presently claimed (a) methods for treating or preventing (I) diabetes or diabetes-associated diseases/conditions, (ii) dementia or (iii) a cardiovascular diaorder which include the step of administering an effective amount of, there alla, an inhibitor of PDB10A would be useful for said methods, and (c) pharmaceutical composition comprising an effective amount of, there alla, an inhibitor of PDB10A would have applicability in the medical industry. NEW CITATIONS					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
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Box No. VII	Certain defects in the international application				
The following o	The following defects in the form or contents of the international application have been noted:				
The application a	s filed is objected to under PCT Article 6 because a claim numbered as 19 is not present.				
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Form PCT/IPEA/409 (Box No. VII) (January 2004)